

Requirements Management for EH&S Standards Set for LBNL

SME / Custodian Designations

The EH&S Division group leader, Facilities Department manager, or appropriate Directorate manager for the SME / Custodian designations indicated below are responsible for making specific assignment, to themselves or subordinates, of the custodianship for each standard as listed below in the EH&S Standards List for LBNL.

The right hand column on this list identifies the assigned SME organization affiliated with each standard. Where predominant authority lies within one discipline, only one group is identified. If SME responsibility is shared it is represented as follows:

- More than one SME with significant “primary” responsibilities is represented by group designations for both in capital bold font, e.g.,
 - **OS, FAC OPS**
- More than one SME with a primary and one or more secondary SME designations is represented by PRIMARY, (secondary, secondary, etc), e.g.,
 - **WM**, (fac trans, rp)

Environment, Health and Safety Division

| | |
|-----|-----------------------------------|
| ES | Environmental Services |
| HS | Health Services |
| IH | Industrial Hygiene |
| OS | Occupational Safety |
| RP | Radiation Protection |
| SEO | Security and Emergency Operations |
| WM | Waste Management |

Facilities Division

| | |
|-----------|---------------------------------|
| FAC PS | Facilities Project Support |
| FAC OPS | Facilities Operations |
| FAC PLAN | Facilities Planning (NEPA/CEQA) |
| FAC TRANS | Facilities Transportation |

Directorate

| | |
|-------------|------------------------------|
| EHS DIV DIR | EH&S Division Director |
| OCA | Office of Contract Assurance |
| PROCURMT | Procurement |

| Environment, Safety and Health Standards Set for LBNL | | SME/EHS GROUP |
|--|---|----------------------|
| 1. | 07 USC, Chapter 6, 136 et seq., FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) | FAC OPS |
| 2. | 07 USC, Chapter 54, 2131-2157, Animal Welfare Act (Transportation, Sale, and Handling of Certain Animals) | HS |
| 3. | 15 USC, Chapter 53, 2601-2692, Toxic Substances Control Act | ES |
| 4. | 16 USC, Chapter 1, Subchapter LXI, 432 and 433, American Antiquities Act | FAC PLAN |

| Environment, Safety and Health Standards Set for LBNL | | SME/EHS GROUP |
|--|---|-----------------------|
| 5. | 16 USC, Chapter 1A, Subchapter I, 469(a)(1), and Subchapter II, 470 et seq., National Historic Preservation Act | FAC PLAN |
| 6. | 16 USC, Chapter 1B, Archeological Resources Protection | FAC PLAN |
| 7. | 16 USC, Chapter 1A, Subchapter II, Part A, 470 h-2 Historic Properties Owned or Controlled by Federal Agencies | FAC PLAN |
| 8. | 16 USC, Chapter 5a, 668 et seq. - Eagle Protection Act and Chapter 7, 703 et seq. - Migratory Bird Treaty Act | FAC PLAN |
| 9. | 16 USC, Chapter 35, 1531 et seq., Federal Endangered Species Act | FAC PLAN, (es) |
| 10. | 25 USC, Chapter 32, 3001 et seq., Native American Graves Protection and Repatriation | FAC PLAN |
| 11. | 33 USC, Chapter 26, 1311 et seq., Clean Water Act | ES (fac plan) |
| 12. | 42 USC, Chapter 82, 6901 et seq., Resource Conservation and Recovery Act (RCRA), as amended | WM, ES |
| 13. | 42 USC, Chapter 85, 7401 et seq., Clean Air Act (CAA), as amended | ES (fac plan) |
| 14. | 42 USC, Chapter 103, Section 9601 et seq., CERCLA, as amended | ES |
| 15. | 42 USC, Chapter 116, 11021-11023, Emergency Planning and Community Right to Know | IH |
| 16. | 42 USC, Chapter 133, 13101 – 13109 Pollution Prevention Act of 1990 | ES (fac plan) |
| 17. | 49 USC, Chapter 51, 5101 et seq., Hazardous Materials Transportation | WM, RP |
| 18. | 07 CFR 331, Possession, Use, and Transfer of Select Agents and Toxins | IH |
| 19. | 07 CFR 355, Endangered Species, Regulations Concerning Terrestrial Plants | FAC PLAN, (es) |
| 20. | 09 CFR, Chapter I, Animal and Plant Inspection Service, Department of Agriculture | HS |
| 21. | 09 CFR 121, Possession, Use, and Transfer of Select Agents and Toxins | IH |
| 22. | 10 CFR 71, Subparts D,E,F (71.31 – 71.77), Transportation of radioactive materials-package approval | RP, WM |
| 23. | 10 CFR 20, Subpart K, Section 20.2005, Disposal of Specific Wastes | WM |
| 24. | 10 CFR 20, Subpart K, Section 20.2003, Disposal by Release into Sanitary Sewerage | ES |
| 25. | 10 CFR 708, DOE Contractor Employee Protection Program | OS |
| 26. | 10 CFR 745, DOE, Protection of Human Subjects | HS |
| 27. | 10 CFR 820, Procedural Rules for Department of Energy Nuclear Activities | RP |
| 28. | 10 CFR 830, Nuclear Safety Management | RP |
| 29. | 10 CFR 835, Occupational Radiation Protection | RP |
| 30. | 10 CFR 850, Chronic Beryllium Disease Prevention Program | IH (hs) |
| 31. | 10 CFR 851, Worker Safety and Health Program The following standards are incorporated by reference in 10 CFR 851. 10 CFR 850, Chronic Beryllium Disease Prevention Program Standard 29 CFR 1904.4 – 1904.11, 1904.29 – 1904.33, 1904.44, and 1904.46, Recording and Reporting Occupational Injuries and Illnesses 29 CFR 1910, Occupational Safety and Health Standards, excluding 29 CFR 1910.1096, Ionizing Radiation 29 CFR 1915, Shipyard Employment 29 CFR 1917, Marine Terminals 29 CFR 1918, Safety and Health Regulations for Longshoring 29 CFR 1926, Safety and Health Regulations for Construction 29 CFR 1928, Occupational Safety and Health Standards for Agriculture ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices (2005) when the ACGIH Threshold Limit Values are lower (more protective) than permissible exposure limits in 29 CFR 1910. When the | OS, IH, (hs) |

| Environment, Safety and Health Standards Set for LBNL | | SME/EHS GROUP |
|--|---|----------------------|
| ACGIH TLVs are used as exposure limits, contractors must nonetheless comply with the other provisions of any applicable expanded health standard found in 29 CFR 1910. ANSI Z88.2, American National Standard for Respiratory Protection (1992) ANSI Z136.1, Safe Use of Lasers (2000) ANSI Z49.1, Safety In Welding, Cutting, and Allied Processes, Sections 4.3 and E4.3 (1999) NFPA 70, National Electrical Code (2005) NFPA 70E, Standard for Electrical Safety in the Workplace (2004) ASME Boilers and Pressure Vessel Code, Sections I – XII including applicable Code Cases (2004) ASME B31, Code for Pressure Piping as follows: B31.1 (2001), Power Piping B31.1a (2002), Addenda to ASME B31.1 (2001) B31.2, Fuel Gas Piping (1968) B31.3, Process Piping (2002) B31.4, Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids (2002) B31.5 (2001), Refrigeration Piping and Heat Transfer Components B31.5a (2004), Addenda to ASME B31.5 (2001) B31.8, Gas Transmission and Distribution Piping Systems (2003) B31.8S, Managing System Integrity of Gas Pipelines (2001) B31.9, Building Services Piping (1996) B31.11, Slurry Transportation Piping Systems (2002) B31G, Manual for Determining Remaining Strength of Corroded Pipelines (1991) DOE M 231.1-1A, Environment, Safety and Health Reporting Manual (September 4, 2004) DOE M 440.1-1A, DOE Explosives Safety Manual, Attachment 2, Contractor Requirements Document (January 9, 2006) | | |
| 32. | 10 CFR 1008, Records Maintained on Individuals (Privacy Act) | HS |
| 33. | 10 CFR 1021, National Environmental Policy Act Implementing Procedures | FAC PLAN |
| 34. | 10 CFR 1022, Compliance with Floodplain/Wetlands Environmental Review Requirements | FAC PLAN |
| 35. | 21 CFR, Chapter II, Drug Enforcement Administration, Department of Justice, Controlled Substances | HS |
| 36. | 21 CFR 361.1, Radioactive Drugs for Certain Research Uses | HS |
| 37. | 29 CFR 1630.13, Prohibited Medical Examinations and Inquiries | HS |
| 38. | 29 CFR 1630.14, Medical Examinations and Inquiries Specifically Permitted | HS |
| 39. | 36 CFR, National Park Service, Department of the Interior, Parts: 63 – Inclusion in National Register 65 – Historic Landmarks 68 – Preservation of Architectural Integrity 79 – Federally Owned Archeological Collections | FAC PLAN |
| 40. | 40 CFR, Air Programs, Parts: a. 50 - National Primary and Secondary Ambient Air Quality Standards b. 54 – Prior Notice of Citizen Suits c. 60 - Standards of Performance, New Stationary Sources d. 61 - NESHAPs, applicable subparts e. 63 – National Emission Standards for Hazardous Air Pollutants for Source Categories f. 68 - Chemical Accident Prevention Provisions g. 82 - Protection of Stratospheric Ozone | ES (fac plan) |
| 41. | 40 CFR 110, Discharge of Oil | ES |

| Environment, Safety and Health Standards Set for LBNL | | SME/EHS GROUP |
|--|---|------------------------|
| 42. | 40 CFR 112, Oil Pollution Prevention | ES |
| 43. | 40 CFR 116, Designation of Hazardous Substances | ES |
| 44. | 40 CFR 117, Determination of Reportable Quantities for Hazardous Substances | ES |
| 45. | 40 CFR 122, NPDES System | ES |
| 46. | 40 CFR 136, Guidelines Establishing Test Procedures for the Analysis of Pollutants | ES |
| 47. | 40 CFR 246, Source Separation for Materials Recovery Guidelines | WM |
| 48. | 40 CFR 247, Comprehensive Procurement Guideline for Products Containing Recovered Materials (Federal Agency Recycling Programs) | ES, (procurmt) |
| 49. | 40 CFR 260 - 279, Hazardous Waste | WM |
| 50. | 40 CFR 280, Underground Storage Tanks | ES |
| 51. | 40 CFR 300, (CERCLA) National Oil and Hazardous Substances Pollution Contingency Plan | ES |
| 52. | 40 CFR 302, (CERCLA) Designation, Reportable Quantities, and Notification | ES |
| 53. | 40 CFR 355, Emergency Planning and Notification (SARA Title III) | ES |
| 54. | 40 CFR 370, Hazardous Chemical Reporting, Community Right To Know | ES |
| 55. | 40 CFR 372, Toxic Chemical Release Reporting, Community Right To Know | ES |
| 56. | 40 CFR 401, Subpart N, Effluent Guidelines and Standards, General Provisions | ES |
| 57. | 40 CFR 403, Subpart N, General Pretreatment Regulations for Existing and New Sources of Pollution | ES |
| 58. | 40 CFR 433, Metal Finishing Point Source Category | ES |
| 59. | 40 CFR 720, Premanufacture Notification | IH |
| 60. | 40 CFR 761, Polychlorinated Biphenyls (PCB) | ES |
| 61. | 40 CFR 763, Subpart E, U.S. EPA Asbestos-Containing Materials in Schools, Asbestos Hazard Emergency Response Act (AHERA). Reference to asbestos clearance sample limit of less than 70 structures per square millimeter only. Does not include sampling protocol or procedures. | IH |
| 62. | 42 CFR 73, Select Agents and Toxins | IH |
| 63. | 43 CFR, Part 3 – Preservation of American Antiquities, and Part 7 – Protection of Archeological Resources | FAC PLAN |
| 64. | 43 CFR, Part 10 - Native American Graves Protection and Repatriation Regulations | FAC PLAN |
| 65. | 45 CFR 46, DHHS, Protection of Human Subjects | HS |
| 66. | 48 CFR 936.602-70(a)(8), Architect - Engineer Services DOE Selection Criteria, Construction and Architect - Engineer (A-E) contracts | PROCURMT |
| 67. | 49 CFR 40, Procedures for Workplace Drug Testing Programs | HS, (fac trans) |
| 68. | 49 CFR, Subtitle B, Other Regulations Relating to Transportation, Chapter I, Research And Special Programs Administration, Department Of Transportation | WM, RP |
| 69. | 49 CFR 382, Controlled Substances and Alcohol Use and Testing | HS |
| 70. | 49 CFR 397, Subpart D, 101 and 103, Routing of Class 7 Radioactive Materials | RP |
| 71. | 50 CFR 17 and 222, Endangered Species Act Rules | FAC PLAN, (es) |
| 72. | 50 CFR 402, Endangered Species Act | FAC PLAN, (es) |
| 73. | California Health and Safety Code, Division 20, Chapter 6.95, Article 1, Hazardous Materials Release Response Plans and Inventory | IH |
| 74. | California Health and Safety Code, Division 104, Part 7 (Retail Food Facilities) Chapter 4 (Retail Food Practices-California Uniform Retail Food Facilities Law [CURFFL]) | IH |

| Environment, Safety and Health Standards Set for LBNL | | SME/EHS GROUP |
|--|--|----------------------|
| 75. | California Public Resources Code, Division 13, California Environmental Quality Act (CEQA), and 14 CCR, Division 6, Chapter 3, Guidelines for Implementation of the California Environmental Quality Act | FAC PLAN |
| 76. | 08 CCR, Division 1, Chapter 4, Subchapter 1, Unfired Pressure Vessel Safety Orders | FAC OPS |
| 77. | 08 CCR, Division 1, Chapter 4, Subchapter 4, Construction Safety Orders (for all construction safety unless 29 CFR 1926 is more strict) | OS |
| 78. | 08 CCR, Division 1, Chapter 4, Subchapter 7, General Industry Safety Orders, Group 3, General Plant Equipment and Special Operations, Article 12, Tree Work, Maintenance or Removal, 3427. Safe Work Procedures | OS |
| 79. | 13 CCR Division 2, Chapter 6, Article 3, 1160 – 1167, for activities relating to the offering of hazardous materials for transportation by commercial carriers | WM, RP |
| 80. | 17 CCR, Division 1, Chapter 5, Subchapter 4, Group 3, Article 6, Special Requirements for Radiographic Operations, 30330-30337 | RP |
| 81. | 17 CCR Division 3, Air Resources (stationary and mobile sources) | ES |
| 82. | 19 CCR, Division 2, Chapter 4, Hazardous Material Release Reporting, Inventory and Response Plans | IH |
| 83. | 19 CCR Division 2, Chapter 4.5, California Accidental Release Prevention Program (Cal ARP) | ES |
| 84. | 22 CCR, Division 2, Subdivision 1, Chapter 3, 12000 (c), Chemicals Known to the State to Cause Reproductive Toxicity (consensus listing solely referenced to define reproductive toxins) | IH, (es) |
| 85. | 22 CCR Division 4.5, Chapter 10, Article 2, 66260.1 et seq., Hazardous Waste Regulation | WM |
| 86. | 23 CCR Division 3, Chapter 9, Waste Discharge Reports and Requirements, and Chapter 9.2, Sections 2250, 2251, 2260, Reportable Quantities and Reporting Requirements, discharges of non-AEA materials to waters of the state | ES |
| 87. | 23 CCR Division 3, Chapter 16, Underground Storage Tank Regulations | ES |
| 88. | 24 CCR, Building Standards (for facilities design, only), Parts: 2 – California Building Code (for fire protection-life safety) 3 – California Electrical Code 4 – California Mechanical Code 5 – California Plumbing Code 6 – California Energy Code 7 – California Elevator Safety Construction Code 9 – California Fire Code (for fire protection-life safety) 12 – California Reference Standards Code | FAC PS |
| 89. | California Fish and Game Code, 1601-1616, Floodplains and Wetlands | ES (fac plan) |
| 90. | California Health and Safety Code, Division 5, sections 5410, 5411, and 5411.5, Reporting discharge of sewage or other waste to waters of the state | ES |
| 91. | California Health and Safety Code, Division 20, Chapter 6.5, Hazardous Waste Control | WM |
| 92. | California Health and Safety Code, Division 20, Chapter 6.67, Aboveground Storage of Petroleum, to the extent involving discharges or potential discharges to waters of the state | ES |
| 93. | California Health and Safety Code, Division 20, Chapter 6.7, Underground Storage of Hazardous Substances | ES |
| 94. | California Health and Safety Code, Division 20, Chapter 6.95, Article 2, Hazardous Materials Management | ES |
| 95. | California Health and Safety Code, Division 26, Air Resources, California Clean Air Act | ES |
| 96. | California Health and Safety Code, Division 104, Part 14, 117600-118360 California | WM, (hs) |

| Environment, Safety and Health Standards Set for LBNL | | SME/EHS GROUP |
|--|---|----------------------|
| | Medical Waste Management Act | |
| 97. | California Labor Code, Division 4, Workers' Compensation and Insurance | HS |
| 98. | California Public Resources Code, Division 30, 40000 et seq., California Integrated Waste Management Act of 1989 | WM |
| 99. | California Vehicle Code, Division 11, Rules of the Road | SEO |
| 100. | California Water Code, Division 7, Water Quality, to the extent involving discharges or potential discharges of non-AEA materials to waters of the state | ES |
| 101. | SWRCB Water Quality Order #2006-003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems | ES |
| 102. | SWRCB Water Quality Order #97-003-DWQ, Statewide General Permit Requirements for Stormwater Discharges Associated with Industrial Activity | ES |
| 103. | SWRCB Water Quality Order #99-008-DWQ, Statewide General Permit Requirements for Construction Stormwater Discharges | ES |
| 104. | DOE O 151.1C, Comprehensive Emergency Management System, Attachment 2, Contractor Requirements Document, as implemented under NFPA 1600 | SEO |
| 105. | DOE O 210.2, DOE Corporate Operating Experience Program | OCA |
| 106. | DOE O 225.1A, Accident Investigations (Cooperation with DOE investigation only) | OS |
| 107. | DOE M 231.1-1A, Environment, Safety and Health Reporting Manual, Attachment 2, Contractor Requirements Document | ES, OS |
| 108. | DOE M 231.1-2, Occurrence Reporting and Processing of Operation Information, Attachment 2, Contractor Requirements Document | EHS DIV DIR |
| 109. | DOE N 234.1, Reporting of Radioactive Sealed Sources, Attachment 2, Contractor Requirements Document | RP |
| 110. | DOE O 414.1C, Quality Assurance, Attachment 1, Contractor Requirements Document | OCA |
| 111. | DOE O 420.1B, Facility Safety, Attachment 2, Contractor Requirements Document, Chapter II (Fire Protection) and Chapter IV (Natural Phenomena Hazards Mitigation) | SEO, FAC OPS |
| 112. | DOE O 420.2B, Safety of Accelerator Facilities, Paragraph 3C and Contractor Requirements Document | RP |
| 113. | DOE O 435.1, Radioactive Waste Management, Attachment 1, Contractor Requirements Document | WM, (rp) |
| 114. | DOE M 435.1-1, Radioactive Waste Management Manual, applicable chapters and sections listed below: Chapter I: All sections except that DOE orders incorporated by reference are applicable only to the extent they were adopted site-wide in the Berkeley Lab Necessary and Sufficient Set of standards. Chapter III sections: A and B, D except for (4) relative to disposal facility requirements, F, G, H and I, (J, K, O, and P only when an off-site option for Berkeley Lab TRU waste has been identified by DOE and the off-site facility has established a WAC applicable to Berkeley Lab), L, N(1), N(2), N(3), Q(1), Q(2) except that ventilation exhaust monitoring is limited to MW6 and MW7 as specified in the HWHF SAD Chapter IV sections: A, B, D, and F, G except for 1(d) relative to disposal facility requirements, H(1), H(2), I, J, K and L, M, N, N(2), O and R(1) except that ventilation exhaust monitoring is limited to MW6 and MW7 as specified in the HWHF SAD | WM, (rp) |
| 115. | DOE O 440.2B, Aviation Management and Safety, Contractor Requirements Document, Parts A and B | OS |
| 116. | DOE O 442.1A, Department of Energy Employee Concerns Program, Attachment 1, Contractor Requirements Document | EHS DIV DIR |
| 117. | DOE O 443.1, Attachment 1, Protection of Human Subjects, except for duplicate reporting requirements already covered in Necessary Standards 10 CFR 745, (DOE) Protection of Human Subjects, and 45 CFR 46, (DHHS), Protection of Human Subjects | HS |

| Environment, Safety and Health Standards Set for LBNL | | SME/EHS GROUP |
|--|---|----------------------------|
| 118. | DOE P 443.1, Protection of Human Subjects, except for duplicate reporting requirements already covered in Necessary Standards 10 CFR 745, (DOE) Protection of Human Subjects, and 45 CFR 46, (DHHS), Protection of Human Subjects | HS |
| 119. | DOE O 450.1A, Environmental Protection Program, Contractor Requirements Document | ES |
| 120. | DOE P 450.2A, Identifying, Implementing and Complying with Environment, Safety and Health Requirements | EHS DIV DIR |
| 121. | DOE P 450.4, Safety Management System Policy | EHS DIV DIR |
| 122. | DOE M 450.4-1, Integrated Safety Management System Manual, Attachment 1, Contractor Requirements Document | EHS DIV DIR |
| 123. | DOE P 456.1 – Secretarial Policy Statement on Nanoscale Safety | IH |
| 124. | DOE O 460.1B, - Packaging and Transportation Safety, Contractor Requirements Document sections: 1 3a, for on site and intra-lab offsite transportation as addressed in TSD 3b and c, for on site transportation as addressed in TSD 4 and 5 7 for on site transportation by complying with TSD | WM, RP, (fac trans) |
| 125. | DOE O 5400.5, Radiation Protection of the Public and the Environment, Chapter II, paragraphs 1 (not including 1.a.3.c and 1.c), 2, 5, 6 (not including 6.a), 7, and 8.a | ES |
| 126. | DOE O 5480.19 Conduct of Operations Requirements for DOE Facilities, paragraph 4 | OCA |
| 127. | DOE-EM-STD-5502-94 Hazard Baseline Documentation | RP |
| 128. | ACGIH Ventilation Manual (Applicable Sections) | IH |
| 129. | ANSI N43.2, Sections 6.2.1.1, 6.2.1.2, 6.2.1.3, 6.2.2.1.4, 6.2.2.3, 6.2.2.3.1, 6.2.2.3.3, 6.2.2.3.4, 6.2.2.3.5, 7.5, 8.1 | RP |
| 130. | ANSI N43.3, Definitions, Sections 4.1, 5.1.1, 5.1.2, 5.1.4, 5.1.6.4, 5.1.5.2, 5.1.5, 7, 9.1, 9.2, 9.4, Annex C | RP |
| 131. | ANSI Z133.1-2000, American National Standard for Arboricultural Operations – Pruning, Repairing, Maintaining, and Removing Trees, and Cutting Brush – Safety Requirements, Sections 6.7.6 – 6.7.6.11 | OS |
| 132. | ANSI Z136.2-1997, American National Standard for the Safe Use of Optical Fiber Communication Systems Utilizing Laser Diode and LED Sources | IH |
| 133. | ANSI Z358.1-2004, Standard for Emergency Eyewash and Shower Equipment, (Applicable sections). Note: (1) Testing frequency to be quarterly, not weekly; (2) LBNL has NOT adopted provisions in the standard dealing with the temperature of the delivered flushing fluid. | IH |
| 134. | ASME B30.2, Overhead and Gantry Cranes (Top Running Bridge, Single or Multiple Girder, Top Running Trolley Hoist) (2001) | OS |
| 135. | ASME B30.17, Overhead and Gantry Cranes (Top Running Bridge, Single Girder, Underhung Hoist) (2003) | OS |
| 136. | ASME B30.5, Mobile and Locomotive Cranes (2004) | OS |
| 137. | ASME B30.9, Slings (2003) | OS |
| 138. | ASME B30.10, Hooks (1999) | OS |
| 139. | ASME B30.11, Monorails and Underhung Cranes (2004) | OS |
| 140. | ASME B30.16, Overhead Hoists (Underhung) (2003) | OS |
| 141. | ASME B30.20, Below-the-Hook Lifting Devices (2003) | OS |
| 142. | ASME B30.21, Manually Lever Operated Hoists (1999) | OS |

| Environment, Safety and Health Standards Set for LBNL | | SME/EHS GROUP |
|---|--|----------------------|
| 143. ASME B56.1, Low Lift and High Lift Trucks (2004) | | OS |
| 144. ASME B56.6, Rough Terrain Forklift Trucks (2002) | | OS |
| 145. ASME Boiler and Pressure Vessel Code (for non-research applications) | | FAC OPS |
| 146. Compressed Gas Association (CGA) Pamphlet S - 1.1 and 1.2, Pressure Relief | | IH |
| 147. National Fire Protection Association, Applicable National Fire Codes | | SEO |
| 148. BAAQMD Regulations 1 through 12, BAAQMD Manual of Procedures | | ES |
| 149. Title 10, Central Contra Costa Sanitary District Code, Source Control (Pre-treatment) | | ES |
| 150. City of Berkeley Municipal Code, Title 15, Chapters 15.04, 15.08, and 15.12, Hazardous Materials Management, to the extent sovereign immunity has been waived by federal act | | IH , (es, wm) |
| 151. City of Berkeley Municipal Code 16.12.30-32-34, Permits and deposits for well construction, installation, destruction or modification and for soil boring/probe/grab and ground water sampling (except AEA materials) | | ES |
| 152. City of Berkeley Municipal Code 17.20, Reduction of Storm Water Pollution (except discharges of AEA materials) | | ES |
| 153. City of Berkeley Ordinance 6715, provision prohibiting transportation on specified streets at which Purge Chamber Openings are located | | WM, RP |
| 154. City of Berkeley Noise Ordinance, Chapter 13.40 "Community Noise". Limit to referenced noise levels only | | IH (fac plan) |
| 155. East Bay Municipal Utility District (EBMUD) Ordinance No. 311A-03, (except AEA discharges). NOTE: Berkeley Lab annually accepts radiation discharge standards voluntarily | | ES |
| 156. Oakland Municipal Ordinance 12024, City of Oakland Creek Protection, Storm Water Management, and Discharge Control Ordinance, (except discharges of AEA materials) | | ES |
| 157. Oakland Municipal Code, 8.12.020, Adopting California Health and Safety Code Division 20, Chapter 6.95, Article 2, to the extent involving prevention of accidental releases to air, and to the extent sovereign immunity has been waived by federal act | | ES |
| 158. City of Oakland Planning Code, Title 17, Performance Standards, Chapter 17.120.050, limited to referenced noise levels in Tables A, B, and C | | IH |
| 159. California Emergency Services Act 2006, Article 9.5, Disaster Preparedness, Subsection 8607, Standardized Emergency Management System, where applicable | | SEO |
| 160. Homeland Security Presidential Directive (HSPD)-5: National Incident Management System | | SEO |
| 161. California Water Code, 13800 - 13806, State Water Resources Control Board requirement for adoption of Model Well Ordinance by state and local agencies (as applicable at LBNL except AEA materials) | | ES |
| 162. LBNL Asbestos Management Program | | IH |
| 163. Integrated Worker Health and Safety Program for Beryllium Activities at LBNL, 8/1/2000 | | IH |
| 164. LBNL Biosafety Manual | | IH |
| 165. LBNL Control Procedures for Peroxidizable Compounds | | IH |
| 166. LBNL Project and Design Management Procedures Manual, RD 3.22, Lateral Force Design Criteria (Seismic Safety) Rev 9 | | FAC PS |
| 167. LBNL Fire Protection Program | | SEO |
| 168. LBNL Health and Safety Manual (Except Chapter 21, Radiation Safety), PUB 3000 | | OS |
| 169. United States Housing and Urban Development (HUD), "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing," June 1995 <u>Chapter 12</u> (Paint Removal Methods); Section IV, A-E; and Section V, C. (Note: Excluding references to other HUD Guideline Chapters and work site preparation levels) <u>Chapter 14</u> (Cleaning). (Note: Excluding references to other HUD Guideline Chapters and reference to containment) | | IH |

| Environment, Safety and Health Standards Set for LBNL | SME/EHS GROUP |
|---|----------------------|
| <p><u>Chapter 15</u> (Clearance). (Note: Excluding Section IV, A-C and Table 15.1; Section V; and Section IX). However, “clearing” work sites following lead related work and applying prescribed clearance levels to work at the Lab will be implemented at the discretion of the Berkeley Lab.</p> <p>170. U.S. Department of Health and Human Services (HHS), Public Health Service, Centers for Disease Control and Prevention (CDC) and National Institutes of Health (NIH), Biosafety in Microbiological and Biomedical Laboratories (BMBL), 5th Edition, February 2007¹.</p> | IH |
| 171. International Air Transportation Association (IATA) Dangerous Goods Regulations | WM, RP |
| END OF ES&H STANDARDS FOR LBNL | |

¹ As implemented per the revised LBNL Biosafety Manual (projected manual revision completion date of June 30, 2009 as noted in the LBNL Biosafety Program Review Corrective Action Plan, dated 9/5/08.